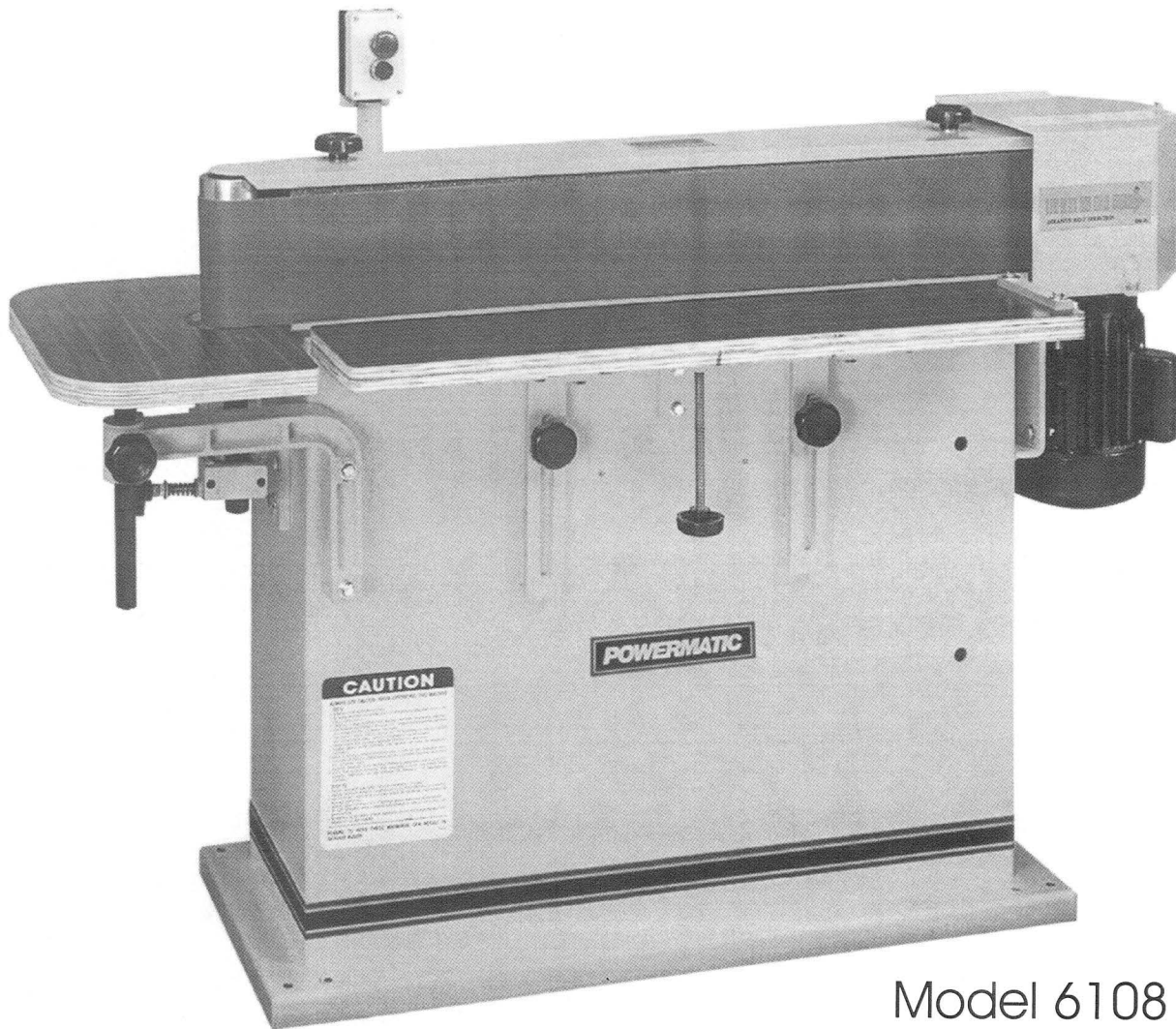


MAINTENANCE & OPERATING INSTRUCTIONS

# *Edge Sander*



Model 6108

# 0460222

# **POWERMATIC<sup>®</sup>**

McMINNVILLE, TENNESSEE 37110

(931) 473-5551

## FOREWORD

This manual has been prepared for the owner and those responsible for the operation of a Powermatic Model 6108 Edge Sander. Its purpose, aside from tool operation, is to promote safety through the use of accepted correct operating and maintenance procedures. Read the safety and maintenance instructions thoroughly before operating or servicing the tool. In order to obtain maximum life and efficiency from your Powermatic Edge Sander and to aid in operating and maintaining the machine with safety, read this manual thoroughly and follow all instructions carefully.

## WARRANTY

### **Powermatic Corporation, 619 Morrison Street, McMinnville, Tennessee 37110**

("Powermatic") warrants to its authorized distributors of Powermatic products and the original purchasers from such distributors, all products sold by Powermatic to be free of defects in material and workmanship for a period of twelve (12) months from the date of delivery from its authorized distributors or 2000 hours of use, whichever occurs first. During said warranty period Powermatic will, at its option, repair or replace any product (or component part thereof) proving defective during said period. This warranty applies only to products which are used in accordance with all instructions as to operation, maintenance and safety set forth in the catalogs, manuals, and/or instruction sets furnished by Powermatic. This warranty becomes effective only if the accompanying card is fully and properly completed and returned to Powermatic within ten (10) days from date of delivery to the original purchaser.

This warranty does not apply to items that would normally be consumed or require replacement due to normal wear (blades, lubricants, etc.); to electrical motors and components which are warranted by their manufacturer; or the costs of removal, shipment for service and reinstallation. Claims relating to electrical components must be taken to the component manufacturer's local authorized repair station for service.

This warranty is null and void if the product has been subjected to (1) misuse, abuse or improper service or storage; (2) accident, neglect, damage or other circumstances beyond Powermatic's control; (3) modifications, disassembly tampering, alterations or repairs outside of Powermatic's factory not authorized by Powermatic; or to any product not bearing its original serial number plate. This warranty does not apply to normal wear and tear, corrosion, abrasion, or repairs required due to natural causes or acts of God.

To obtain the fastest possible warranty service you must first notify in writing the authorized Powermatic distributor from whom you purchased the product specifying (1) the product by catalog number and serial number, (2) the date the product was delivered to you, (3) a description of the problem for which you seek warranty service, and (4) evidence of proof of purchase. Should circumstances prohibit you contacting the distributor then contact the Powermatic factory directly. If your claim is covered by this warranty, your Powermatic distributor will provide you with instructions as to how and where service will be provided. On simple warranty replacement or repairs, installations instructions will be provided to allow correction by customer personnel. Powermatic assumes no responsibility for products which are returned without its prior written authorization. Powermatic's obligation under this warranty shall be exclusively limited to repairing or replacing (at Powermatic's option) products which are determined by Powermatic to be defective upon delivery, F.O.B. (return freight paid by customer) Powermatic's factory, and on inspection by Powermatic. In no event shall Powermatic's liability under this warranty exceed the purchase price paid for the product.

**THIS IS POWERMATIC'S SOLE WRITTEN WARRANTY. ANY AND ALL OTHER WARRANTIES WHICH MAY BE IMPLIED BY LAW, INCLUDING ANY WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. POWERMATIC SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, OR EXPENSE DIRECTLY OR INDIRECTLY RELATED TO THE USE OF ITS PRODUCTS OR FROM ANY OTHER CAUSE OR FOR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION, LOSS OF TIME, INCONVENIENCE, AND LOSS OF PRODUCTION). THE WARRANTY CONTAINED HEREIN MAY NOT BE MODIFIED AND NO OTHER WARRANTY, EXPRESSED OR IMPLIED, SHALL BE MADE BY OR ON BEHALF OF POWERMATIC.**

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## **SAFETY: General Rules**

As with all power tools there is a certain amount of hazard involved with the operation and use of the tool. Use the tool with the respect and caution demanded where safety precautions are concerned. This will considerably lessen the possibility of personal injury. When normal safety precautions are overlooked or completely ignored, personal injury to the operator can result.

1. **KNOW YOUR TOOL.** Read the owner's manual carefully. Learn the tools applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and maintained in working order.
3. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter plug must be attached to a known ground. Never remove the third prong.
4. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
5. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
6. **AVOID DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
7. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
8. **MAKE WORKSHOP CHILDPROOF** - with padlocks, master switches, or by removing starter keys.
9. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
10. **USE RIGHT TOOL.** Don't force tool or attachment to do a job it was not designed for.
11. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, or jewelry that can get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
12. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
13. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep your proper footing and balance at all times.
15. **MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS** before servicing and when changing accessories such as chisel and bit.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
18. **AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in cord.
19. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
20. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
22. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol, or any medication.
23. **ADDITIONAL HEALTH HAZARDS.** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - \* Lead from lead-based paint.
  - \* Crystalline silica from bricks and cement and other masonry products
  - \* Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.



### **SAFETY: Specific Rules**

1. Before you turn on the machine, make sure everyone is clear of it. Keep hands away from abrasive belt.
2. Never remove safety guards during operation.
3. Make sure the abrasive belt is not torn or loose.
4. Make sure the direction of rotation is the same as that marked on the machine label. If not, the power connection must be changed.

5. Make sure the abrasive belt is tracking properly.
6. Support your workpiece with the work table.
7. When front work table is to be used at an incline, check that the work table is firmly fixed on the machine.
8. Sand with the grain of the wood.
9. Hold the workpiece firmly, to prevent it being driven from your hands.
10. Feed workpiece against rotation of abrasive belt.
11. Do not put excess pressure on the abrasive belt. It is not necessary and will only lead to damage to the belt or the workpiece.



### **SAFETY: Decal Instruction**

## **SAFETY RULES**

CAREFULLY READ INSTRUCTION MANUAL BEFORE OPERATING MACHINE.

DO NOT OPERATE WITHOUT ALL GUARDS AND COVERS IN POSITION.

BE SURE MACHINE IS ELECTRICALLY GROUNDED.

REMOVE OR FASTEN LOOSE ARTICLES OF CLOTHING SUCH AS NECKTIES, ETC. CONFINE HAIR.

USE SAFETY FACE SHIELD, GOGGLES, OR GLASSES TO PROTECT EYES AND OTHER PERSONAL SAFETY EQUIPMENT AS REQUIRED.

STOP MACHINE BEFORE MAKING ADJUSTMENTS OR CLEANING CHIPS FROM WORK AREA.

KEEP THE FLOOR AROUND THE MACHINE CLEAN AND FREE FROM SCRAPS, SAWDUST, OIL OR GREASE TO MINIMIZE THE DANGER OF SLIPPING.

### **SPECIFICATIONS (6108 Edge Sander)**

Sanding belt size .....	6" x 108"
Front table .....	37" x 7-3/4"
Side table .....	19" x 12"
Dust chute .....	4" dia.
Belt speed .....	3,150 SFPM
Overall dimensions .....	64-1/2" L x 23" W x 43-1/4" H
Motor .....	1-1/2 HP, 1 Ph, 115/230V (prewired 115V) 2 HP, 3 Ph, 230/460V (prewired 230V)
Drive wheel .....	7" O.D. x 6"
Net weight .....	491 lbs.

## RECEIVING THE SANDER

Remove sander from its crate. Check for damage and ensure all parts are intact. Any damage should be reported immediately to your distributor and shipping agent. Before assembling, read the manual thoroughly, familiarizing yourself with correct assembly and maintenance procedures and proper safety precautions.

### Contents:

- 1 Sander
- 2 Work tables
- 1 Dust chute
- 1 Steel platen
- 1 Hardware bag containing 1 phillips screwdriver, 1 open-end wrench, 4 allen wrenches

## INSTALLATION

Remove the bolts securing the sander to the shipping base. Install the machine on firm, level ground with 5/16" lag bolts through the holes in the bottom of the base. Use shims if necessary to level the machine before tightening the lag bolts.

Remove any protective coating from exposed metal surfaces with a soft cloth moistened with a good commercial solvent. DO NOT use acetone, gasoline, lacquer thinner or any type of flammable solvent. Do not use solvents on plastic parts.

## ELECTRICAL CONNECTIONS

Wire the sander to a grounded, metal-enclosed wiring system in accordance with the requirements of the National Electric Code (ANSI/NFPA70).

**⚠ WARNING:** ELECTRICAL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN. THE MACHINE MUST BE PROPERLY GROUNDED TO HELP AVOID ELECTRIC SHOCK AND ASSOCIATED HAZARDS INCLUDING POSSIBLE DEATH.

If your edge sander is 3-phase, there is a four conductor power source cable. If single-phase, it has a three conductor power source cable. On both models, the ground conductor is green or yellow & green. NEVER connect the green wire to a live terminal.

## OPERATION

The sander is equipped with a push-button magnetic control system.

When starting the machine, make sure the rotational direction is correct. If it is not, the power connection will have to be changed: If 3-phase, change any

two of the three power leads. If single-phase, check the motor connection (refer to wiring diagram in connection box.)

## ADJUSTMENTS

**⚠ CAUTION:** Disconnect sander from power source before making adjustments.

## CHANGING SANDING BELT

1. Loosen the two latches (A), on the dust chute, and open the dust hood, Figure 1.
2. Remove the sanding belt safety guard (B) by removing the two knobs (C) which are on the guard.

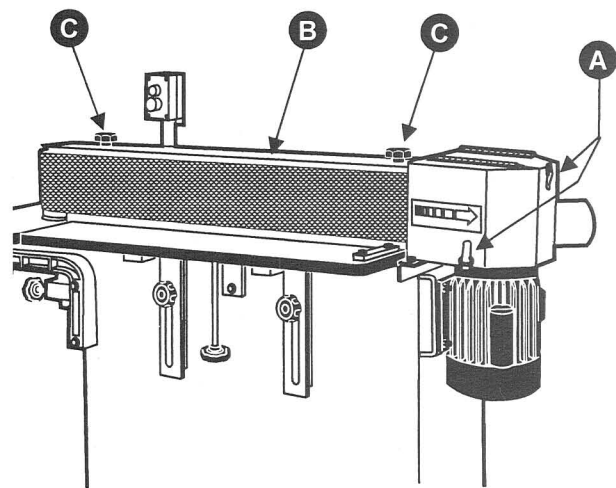


FIGURE 1

3. Rotate the sanding belt tension adjustment knob (D) clockwise to release idler pulley device (E). See Figure 2. Remove the old belt.

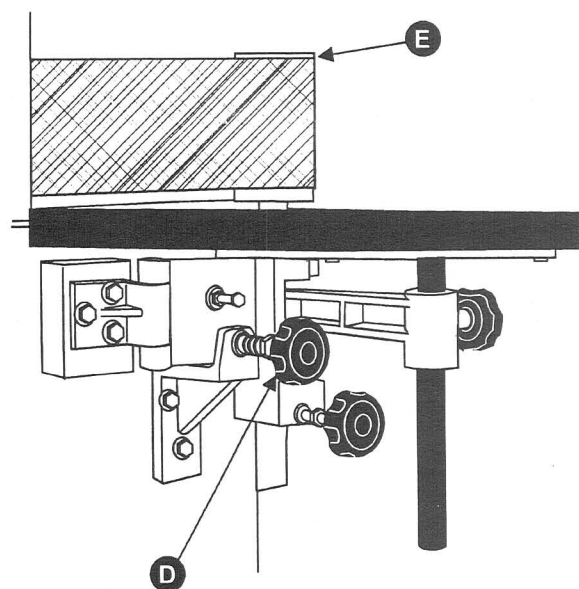
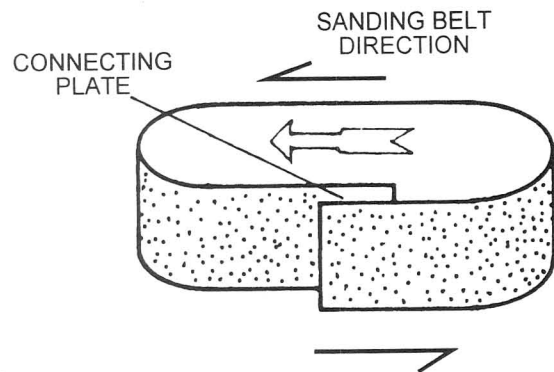


FIGURE 2

**NOTE:** Identify the sanding belt direction before you install the belt, because the belt's rotational direction must be the same as the machine. An arrow on the reverse side of the belt shows the proper direction and should match the arrow direction on the machine guard. If the belt has no arrow indicator, find the joint of the belt (where it is layered) and install it according to Figure 3.



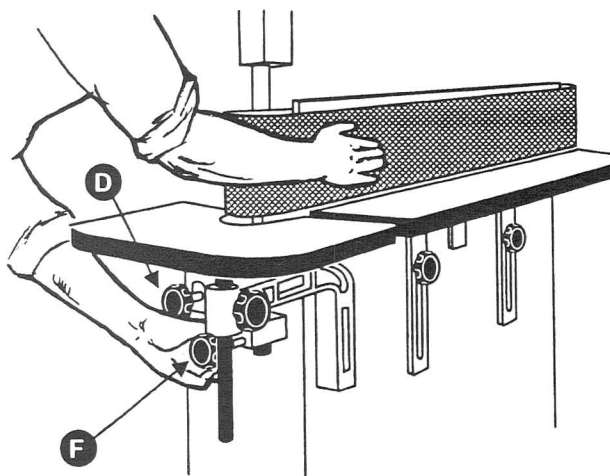
**FIGURE 3**

4. Place the new sanding belt between the contact wheel and idler pulley, then adjust the tension adjustment knob (D). Counterclockwise will maximize the tension, clockwise will minimize it.

5. Check that the new belt is tracking correctly by rotating it with one hand, Figure 4, and use your other hand to make any adjustments to the track adjustment knob (F). To lower the abrasive belt, rotate the track adjustment knob clockwise. To raise it, rotate counterclockwise.

**NOTE:** The track adjustment mechanism is very sensitive - make these corrections gently.

When properly adjusted, the sanding belt should keep the same steady level during rotation without moving too high or too low.



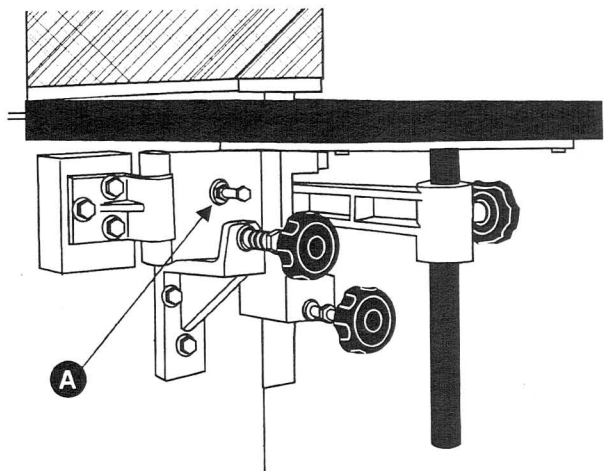
**FIGURE 4**

6. Replace safety guard (B), close dust hood and re-tighten knobs (A).

7. Turn machine on and off quickly several times to check that the sanding belt rotation is normal and that it tracks properly. If not, repeat the above procedure.

## SANDING BELT TENSION SPRING FATIGUE COMPENSATION

Adjustment of the sanding belt will cause spring fatigue when used for a long period. If this happens, it's not necessary to change the spring. Simply rotate the tension adjustment screw (A), Figure 5, clockwise until you achieve the proper tension compensation.



**FIGURE 5**

## FRONT WORK TABLE INCLINATION

Using the inclined table method on this edge sander may give you better sanding surface contact, decreased sanding marks and burr residue, with results equal to that of an oscillating sanding machine. To adjust the front work table:

1. Loosen the two fixed knobs (A), Figure 6.
2. Raise the front work table (B) by rotating the adjustment knob (C) and incline it to the degree desired.
3. Re-tighten the fixed knobs (A).

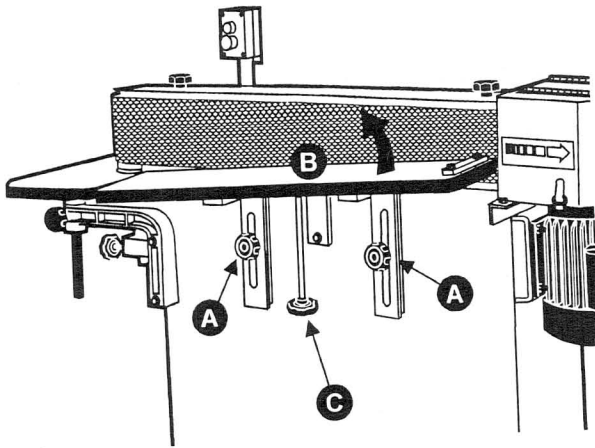


FIGURE 6

## STEEL PLATEN ADJUSTMENT

The steel platen is located between the motor contact wheel and the idler pulley. The surface of the steel platen should protrude about 1/8"-1/4" past the motor contact wheel and the idler pulley in order to assure that the sanding belt will be in contact totally with the steel platen. Adjust as follows:

1. Remove sanding belt (refer to "Changing Sanding Belt").
2. Loosen the two fixed screws (A), Figure 7, on the steel platen at the rear of the machine.

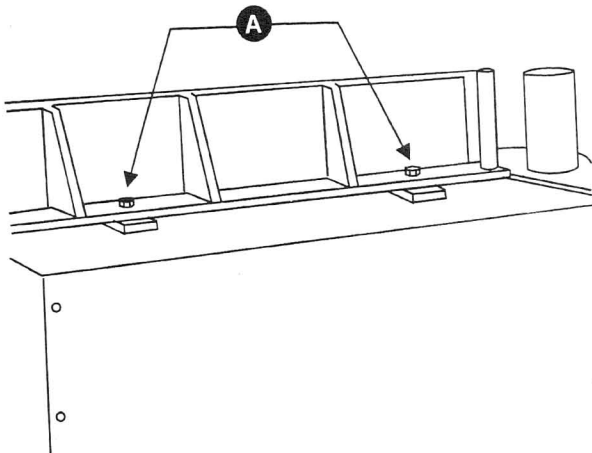


FIGURE 7

3. Using a straight edge (B), to measure the protruding distance between the surface of the steel platen and the two pulleys (i.e. motor contact wheel & idler pulley). See Figure 8.
4. Tap the steel platen with your hand until the protruding distance is 1/8" to 1/4". The platen/motor contact wheel & platen/idler pulley distances should be the same.
5. Re-tighten the fixed screws (A) on the platen, and replace sanding belt.

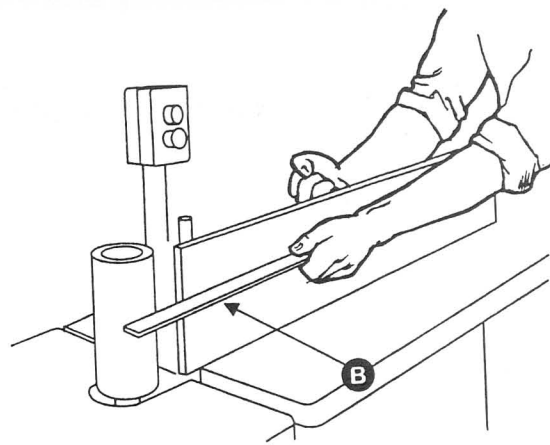


FIGURE 8

## MOTOR/SANDING BELT ALIGNMENT

The motor and sanding belt on the edge sander were factory aligned. However, if they are out of alignment due to shipping, adjust as follows:

1. Adjust front work table to its lowest position.
2. Loosen the two fixed screws on the dust chute and remove chute from machine.
3. Remove safety guard.
4. Rotate the belt by hand to ensure that it is completely parallel with the steel platen, top left to top right. Use a straight edge if necessary to measure this.
5. If the sanding belt left to right is not parallel with the steel platen, then the motor is not adjusted properly. Loosen the motor mounting screws (A), Figure 9, and adjust with the two jack screws (B).

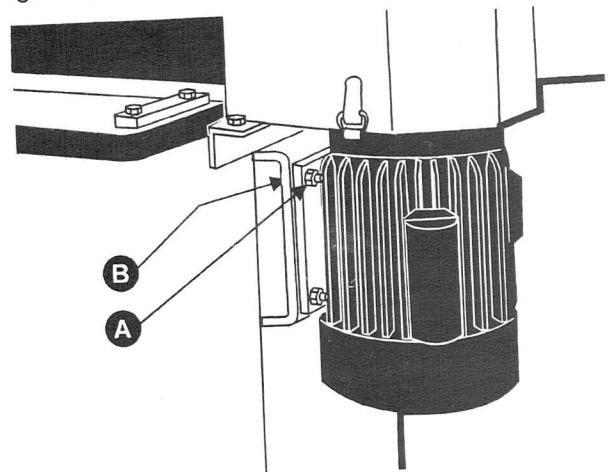


FIGURE 9

6. If the right side of the sanding belt (near the motor) is too high, adjust motor inclination inward, until the sanding belt is parallel with the steel platen. Then tighten the four motor fixed screws (A).
7. Rotate the sanding belt by hand again to make sure it is completely parallel with steel platen.
8. Replace safety guard and dust hood, and adjust the sanding belt tracking if necessary.

## MAINTENANCE

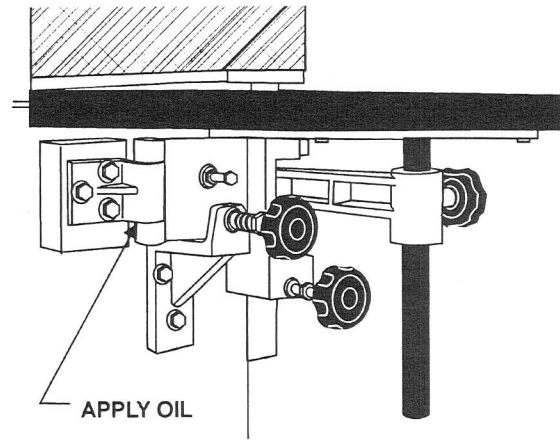
### LUBRICATION

**⚠ CAUTION:** Disconnect sander from power source before performing maintenance.

Do not operate the sander until it is properly lubricated.

All ball bearings are sealed for life and do not require lubrication.

Apply a drop of light machine oil occasionally on the hinge of the tension mechanisms as shown in Figure 10. Service the machine every 6 weeks.



**FIGURE 10**

### SANDING BELT SELECTION

Use the chart, Figure 11, for selecting an abrasive belt. Aluminum oxide is recommended for general use in the home workshop.

Figure 12 groups abrasives into five classes, indicating the grit numbers that fall into each.

ABRASIVE	USE	COARSE	GRIT MEDIUM	FINE
Aluminum Oxide	Hardwood	30-40	60-80	100-120
	Aluminum	40	60-80	100
	Copper	40-50	80-100	100-120
	Steel	24-30	60-80	100
	Ivory	60-80	100-120	120-280
	Plastic	50-80	120-180	240

**FIGURE 11**

TYPE	VERY FINE	FINE	MEDIUM	COARSE	VERY COARSE
Aluminum Oxide	220-360	120-180	80-100	40-60	24-36

**FIGURE 12**

# TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Sander will not start.	<ol style="list-style-type: none"> <li>1. Fuse blown or circuit breaker tripped.</li> <li>2. Cord damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace fuse or reset circuit breaker.</li> <li>2. Have cord replaced by qualified electrician.</li> </ol>
Overload kicks out frequently.	<ol style="list-style-type: none"> <li>1. Extension cord too light or too long.</li> <li>2. Excessive bite or feed pressure too great.</li> <li>3. Motor not wired for correct voltage.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace with adequate size cord.</li> <li>2. Allow sanding belt to cut freely - do not force.</li> <li>3. Refer to motor name plate for correct wiring.</li> </ol>
Sanding belt does not come up to speed.	<ol style="list-style-type: none"> <li>1. Extension cord too light or too long.</li> <li>2. Low (house) current.</li> <li>3. Motor not wired for correct voltage.</li> <li>4. Excessive bite or feed pressure too great.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace with adequate size cord.</li> <li>2. Contact a qualified electrician.</li> <li>3. Refer to motor name plate for correct wiring.</li> <li>4. Allow abrasive belt to cut freely - do not force.</li> </ol>
Machine vibrates excessively.	<ol style="list-style-type: none"> <li>1. Stand or bench on uneven floor.</li> <li>2. Improper motor mounting.</li> <li>3. Sanding belt not tensioned correctly.</li> <li>4. The spring for tension mechanism is fatigued or broken.</li> <li>5. Contact wheel is too loose.</li> <li>6. Sanding belt broken.</li> <li>7. Bad sanding belt.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reposition on flat level surface. Fasten to floor if necessary.</li> <li>2. Check and adjust motor mounting.</li> <li>3. Tensioning of belt is accomplished through the knob that controls the spring. Make sure knob is released so the full tension of the spring is working.</li> <li>4. Replace with new spring.</li> <li>5. Tighten cap screw in motor shaft.</li> <li>6. Replace with new sanding belt.</li> <li>7. Replace with new sanding belt.</li> </ol>
Inadequate job on metal.	<ol style="list-style-type: none"> <li>1. Wrong sanding belt.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use aluminum oxide or silicon carbide sanding belts, not flint or garnet.</li> </ol>
Sanding marks on work.	<ol style="list-style-type: none"> <li>1. Sanding belt too coarse for finish required.</li> <li>2. Wrong sanding belt grit.</li> <li>3. Work sanded across grain.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use very fine sanding belt for final finish.</li> <li>2. Use coarser grit for stock removal.</li> <li>3. When surface sanding, use very fine sanding belt then finish by hand, working in direction of grain.</li> </ol>
Sanding grains quickly rub off belt.	<ol style="list-style-type: none"> <li>1. Sanding belt has lost its original properties.</li> <li>2. Incorrect storage.</li> </ol>	<ol style="list-style-type: none"> <li>1. Do not store sanding belts where it is extremely dry or where temperatures are extremely high.</li> <li>2. Store sanding belt properly. Do not fold it.</li> </ol>

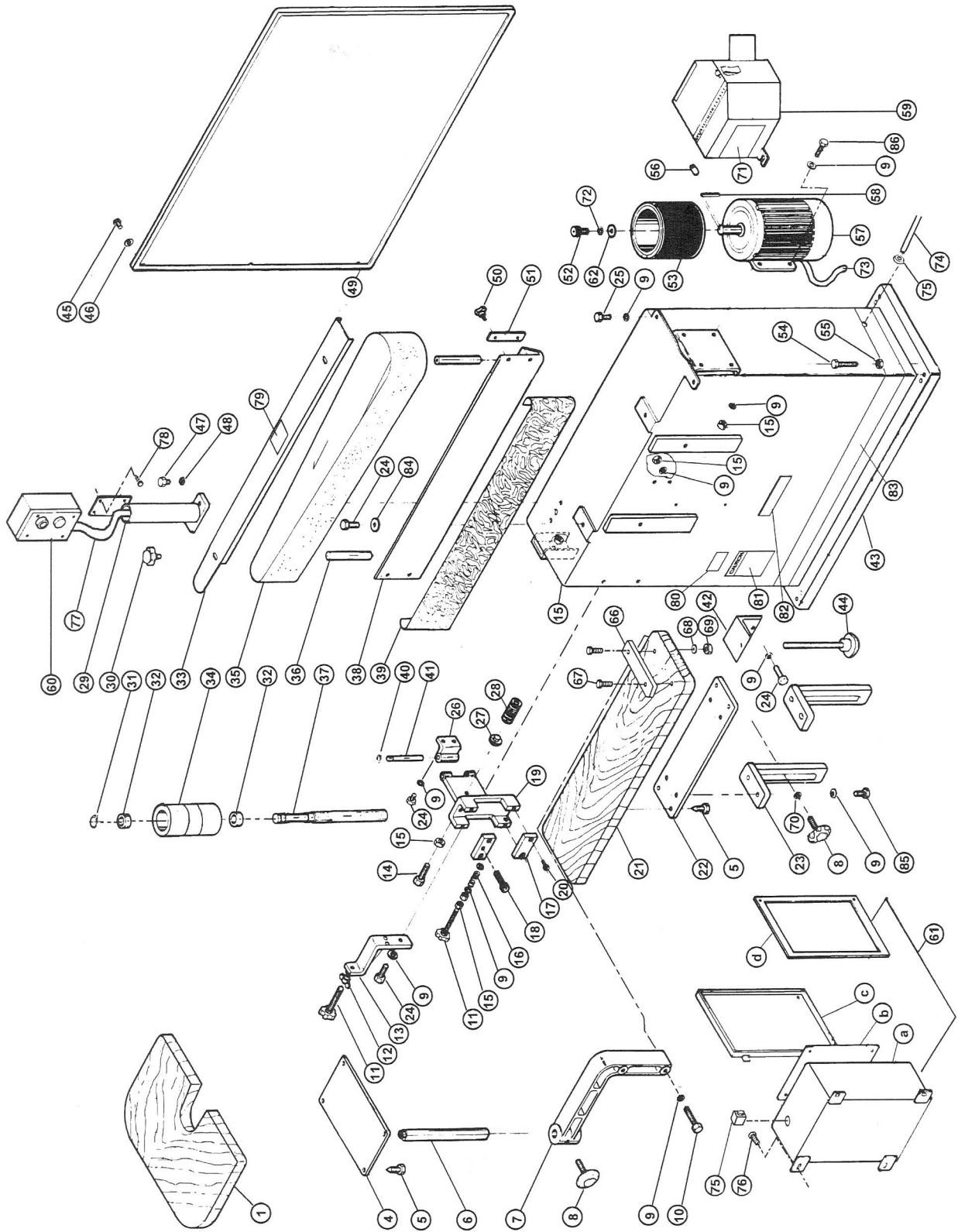
## TROUBLE SHOOTING (continued)

PROBLEM	POSSIBLE CAUSE	SOLUTION
Sanding belt glazes.	<ol style="list-style-type: none"> <li>1. Sanding painted surface.</li> <li>2. Wood is wet or gummy.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use open-end grain/flint belt.</li> <li>2. No cure. Use different stock.</li> </ol>
Work burns.	<ol style="list-style-type: none"> <li>1. Wrong sanding belt surface.</li> <li>2. Feed pressure too great.</li> <li>3. Work held motionless.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use coarser grit for stock removal.</li> <li>2. Never force work into steel platen.</li> <li>3. Keep work moving.</li> </ol>
Sanding marks on work.	<ol style="list-style-type: none"> <li>1. Work held motionless.</li> </ol>	<ol style="list-style-type: none"> <li>1. Keep work moving.</li> </ol>
Sanding belt burns, clogs quickly on thickness sanding.	<ol style="list-style-type: none"> <li>1. Biting too deep.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust for slight sanding action and make repeated passes.</li> </ol>
Indentations in work.	<ol style="list-style-type: none"> <li>1. Work held motionless in one spot.</li> </ol>	<ol style="list-style-type: none"> <li>1. Keep work moving.</li> </ol>
Sanding end idler pulley distorts.	<ol style="list-style-type: none"> <li>1. Excessive bite or feed pressure.</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow sanding belt to sand freely, do not force.</li> </ol>
Work pulled from hand.	<ol style="list-style-type: none"> <li>1. No support.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use the work stop on the front table.</li> </ol>
Sanding belt has broken at the joint.	<ol style="list-style-type: none"> <li>1. Belt running in wrong direction.</li> </ol>	<ol style="list-style-type: none"> <li>1. Match rotation direction with arrow on machine guard.</li> </ol>
Sanded edge not square.	<ol style="list-style-type: none"> <li>1. Result of freehand sanding.</li> <li>2. Table misaligned.</li> </ol>	<ol style="list-style-type: none"> <li>1. Keep work piece flat on table at all times when a square edge is desired.</li> <li>2. Check table alignment to steel platen. It should be 90 degrees. Adjust accordingly.</li> </ol>
Sanding belt has bevel.	<ol style="list-style-type: none"> <li>1. Motor misaligned.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust motor alignment.</li> </ol>
Sanding belt has dropped while sanding.	<ol style="list-style-type: none"> <li>1. Sanding belt not tensioned correctly.</li> <li>2. Tension mechanism spring is fatigued or broken.</li> <li>3. Sanding belt not tracking correctly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust sanding belt tension with knob.</li> <li>2. Replace with new spring.</li> <li>3. Adjust tracking.</li> </ol>
Sander sanding unsatisfactorily.	<ol style="list-style-type: none"> <li>1. Incorrect positioning of steel platen.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust steel platen 1/8" to 1/4" above the contact wheel and idler pulley.</li> </ol>

## PARTS LIST: Model 6108 Edge Sander

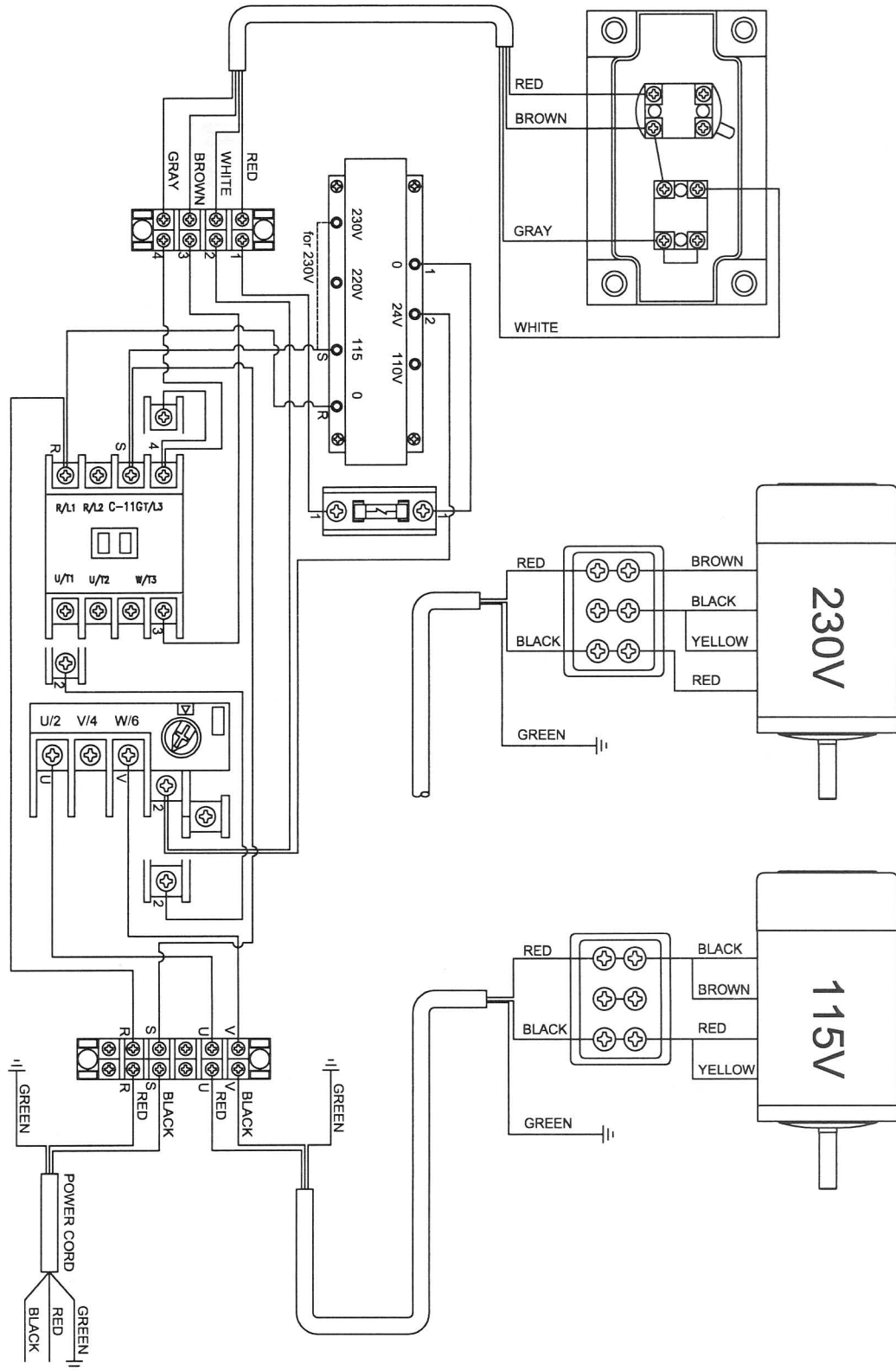
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
1	6294030	TABLE, END	47	6294074	SCREW, HEX HD., 5/16-18 X 5/8"
4	6294031	PLATE, STEEL END	48	6294075	WASHER, 5/16"
5	6294032	SCREW, HEX. HD. WOOD, 1/4-20 X 1-1/4	49	6294076	COVER, BACK
6	6294033	BAR, SUPPORT	50	6294077	SCREW, WING, 1/4-20 X 5/8"
7	6294034	SUPPORT, TABLE	51	6294078	PIECE, CLAMPING
8	6294035	KNOB	52	6294079	SCREW, SOC. HD. CAP, 5/16-18 X 1"
9	6294036	WASHER, 3/8"	53	6294080	WHEEL, CONTACT
10	6294037	SCREW, HEX HD. 3/8-16 X 1-1/2"	54	6294081	SCREW, HEX HD., 1/2-12 X 2-1/2"
11	6294038	KNOB	55	6294082	NUT, HEX 1/2"
12	6294039	NUT, WING	56	6294083	SCREW, SET, 5/16-18 X 3/8"
13	6294040	HOLDER, SPRING	57	6294084	MOTOR, 2 HP, 3 PH
14	6294041	SCREW, HEX HD. 3/8-16 X 1-5/8"	6294085	MOTOR, 1-1/2 HP, 1 PH	
15	6294042	NUT, HEX 3/8	58	6294086	KEY
16	6294043	SPRING	59	6294087	HOOD, DUST
17	6294044	PLATE, COVER	60	6294088	ASSEMBLY, PUSH BUTTON
18	6294045	BOLT, SOC. HD. CAP, 5/16-18 X 2"	61	6294089	BOX, SWITCH
19	6294046	HOLDER, IDLER PULLEY	62	6294090	WASHER
20	6294047	SCREW, SOC. HD. CAP, 1/4-20 X 5/8"	63	6294091	CONTACTOR w/ THERMAL OVERLOAD RELAY (2 HP)
21	6294048	TABLE, FRONT	64	6294092	CONTACTOR w/ THERMAL OVERLOAD RELAY (1-1/2 HP)
22	6294049	PLATE, FRONT STEEL	65	6294093	TRANSFORMER (optional)
23	6294050	ANGLE, TABLE	66	6294115	STOP, WORK
24	6294051	SCREW, HEX HD., 3/8-16 X 1"	67	6294116	SCREW, HEX HD 5/16-18 X 2-1/2"
25	6294052	SCREW, HEX HD., 3/8-16 X 5/8"	68	6294117	WASHER, 5/16"
26	6294053	HOLDER, HINGE	69	6294118	NUT, HEX 5/16"
27	6294054	BLOCK, SPRING ADJUSTING	70	6294119	WASHER, 1/2"
28	6294055	SPRING	71	6294120	LABEL, DIRECTION
29	6294056	SUPPORT, SWITCH	72	6294121	WASHER, SPRING, 5/16"
30	6294057	BOLT, KNOB	73	6294101	WIRE, MOTOR
31	6294058	RING, RETAINING	74	6294102	CORD, POWER
32	6294059	BEARING, #6205-LB	75	6294103	PROTECTOR, WIRE
33	6294060	GUARD, SAFETY	76	6294104	SCREW, SOC. HD. CAP, 1/4-24 X 3/8"
34	6294061	PULLEY	77	6294105	WIRE
35	6294062	BELT, ABRASIVE	78	6294106	SCREW, ROUND HD., 3/16-24 X 5/8"
36	6294063	SUPPORT, GUARD	79	6294107	LABEL, WARNING
37	6294064	SHAFT, PULLEY	80	6294108	CARD, I.D.
38	6294065	PLATEN, STEEL	81	6294109	LABEL, CAUTION
39	6294066	GRAPHITE	82	6294110	LABEL, LOGO
40	6294067	RING, RETAINING	83	6294111	STRIPE, COLOR
41	6294068	SHAFT, HINGE	84	6294112	WASHER, 3/8"
42	6294069	ANGLE, SUPPORT	85	6294113	SCREW, HEX HD., 3/8-16 X 3/4"
43	6294070	BASE	86	6294114	SCREW, HEX HD., 3/8-16 X 2-1/4"
44	6294071	KNOB, TABLE ADJUSTING			
45	6294072	SCREW, HEX HD., 1/4-20 X 3/8"			
46	6294073	WASHER, 1/4"			

# EXPLODED VIEW: Model 6108 Edge Sander



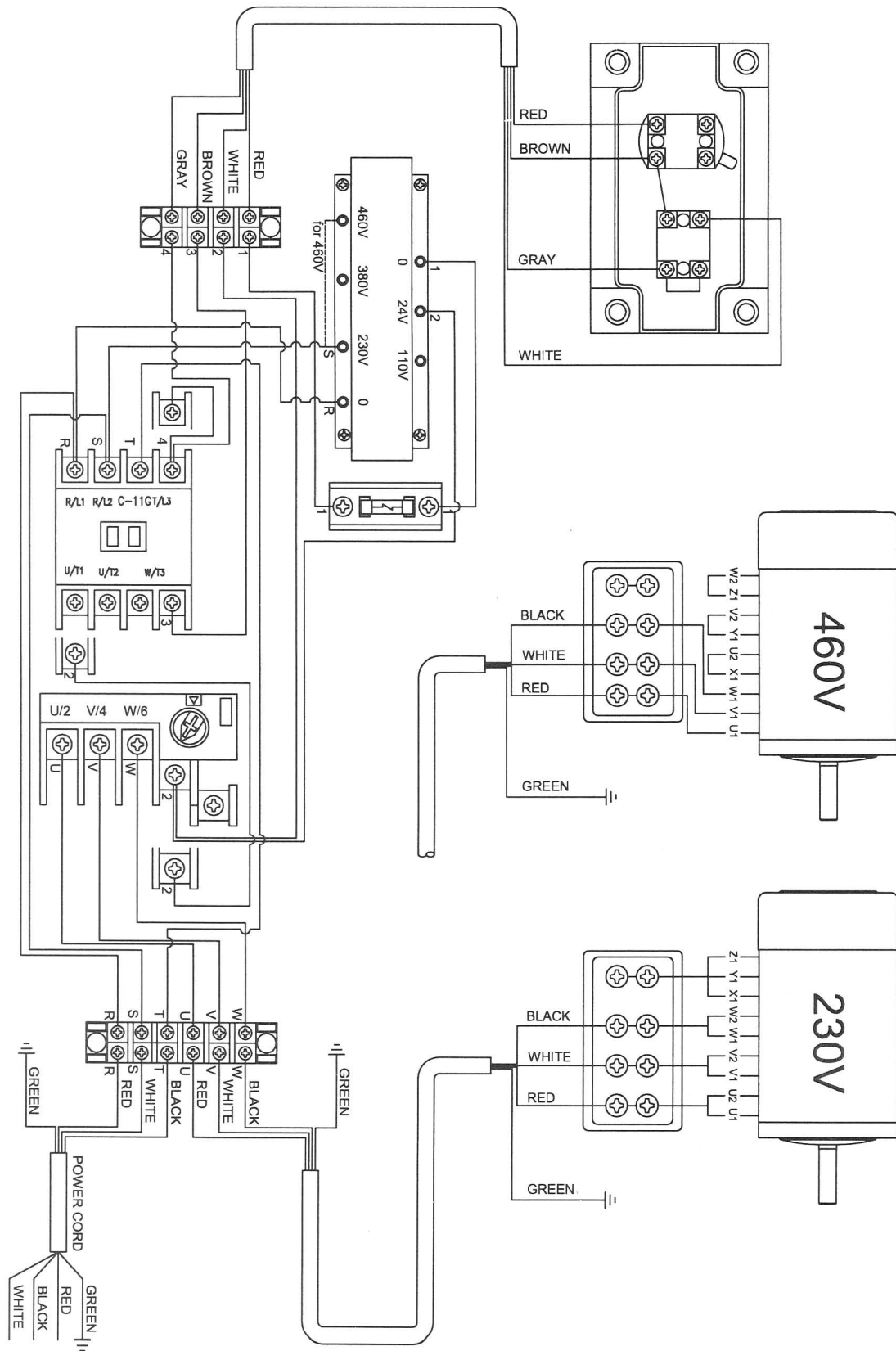
# ELECTRICAL: Model 6108 Edge Sander

115/230V, 1 Phase



# ELECTRICAL: Model 6108 Edge Sander

230/460V, 3 Phase



## OPTIONAL ACCESSORIES

- 6294094 Abrasive Belt, 6" x 108", 40 Grit.
- 6294095 Abrasive Belt, 6" x 108", 60 Grit.
- 6294096 Abrasive Belt, 6" x 108", 80 Grit.
- 6294062 Abrasive Belt, 6" x 108", 100 Grit.
- 6294098 Abrasive Belt, 6" x 108", 120 Grit.
- 6294099 Abrasive Belt, 6" x 108", 150 Grit.
- 6294100 Abrasive Belt, 6" x 108", 200 Grit.





To order parts or reach our service department, please call our toll-free number between 8:00 a.m. and 4:30 p.m. (CST), Monday through Friday. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately. Locating the EDP number of the part(s) required from your parts manual will also expedite your order.

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